

**What Is Claimed Is:**

5        1. A method of producing a dry, free-flowing vitamin powder comprising blending redried corn starch, silica and at least one vitamin in a blender, wherein said corn starch, silica and said vitamin are added in any order to make a composition.

2. The method of claim 1, comprising:  
(a) blending redried corn starch and silica in a blender and  
(b) adding at least one vitamin to said redried corn-starch and silica mixture.

3. The method of claim 1, wherein said vitamin is heated prior to mixing.

4. The method of claim 1, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

5. The method of claim 1, wherein said compound comprises liquid mixed tocopherols.

6. The method of claim 1, wherein said redried corn starch is present in amounts from about 5 to about 34 weight percent.

20        7. The method of claim 1, wherein said silica has a density of at least 12.5 lbs/cu. ft., a particle size of between 40 and 50 microns, a surface area of from about 400 m<sup>2</sup>/g to 500m<sup>2</sup>/g.

8. The method of claim 1, wherein said vitamin is present in amounts from about 50 to 80 weight percent.

25        9. A method of producing a dry, free-flowing vitamin powder comprising blending silica and at least one vitamin in a blender wherein said silica has a density of at least 12.5lbs/cu. ft., a particle size of between 40 and 50 microns, a surface area of from about 400 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.

30        10. The method of claim 9, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin

B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

5 11. The method of claim 9, wherein said vitamin comprises mixed tocopherols.

12. A method of producing a dry, free-flowing vitamin powder comprising mixing silica and at least one vitamin in a blender which has an rpm of at least 3600.

13. The method of claim 12, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

14. The method of claim 12, wherein said vitamin comprises mixed tocopherols.

15. A method of producing a dry, free-flowing vitamin powder comprising mixing silica and liquid mixed tocopherols wherein said tocopherols are present in amounts greater than 50 to about 80 weight percent.

20 16. The method of claim 15, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

17. The method of claim 15, wherein said vitamin comprises mixed tocopherols.

25 18. A composition comprising about 5 to about 34 weight percent dried corn starch, silica and at least one vitamin.

19. The composition of claim 18, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

30 20. The composition of claim 18, wherein said vitamin compound is liquid mixed tocopherols.

21. The composition of claim 18, wherein said silica has a density of at least 12.5 lbs/cu. ft., a particle size of between 40 and 50 microns, a surface area of from about 400 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.

22. A composition comprising silica and at least one vitamin, wherein said silica has a density of at least 12.5 lbs/cu. ft., a particle size of between 40 and 50 microns, a surface area of from about 400 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.

23. The composition of claim 22, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

24. The composition of claim 22, wherein said vitamin comprises liquid mixed tocopherols.

25. The composition of claim 22, wherein said vitamin is present in amounts from about 50 to about 80 weight percent.

26. A composition comprising silica and at least one vitamin, wherein said vitamin is present in amounts from about 50 to about 80 weight percent.

27. The composition of claim 26, wherein said vitamin is selected from the group comprising vitamin A, vitamin D, vitamin E, vitamin K, vitamin C, vitamin B<sub>1</sub>, vitamin B<sub>2</sub>, vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, folic acid, biotin, inositol, beta carotene, vitamin B<sub>3</sub>, and vitamin B<sub>5</sub>.

28. The composition of claim 26, wherein said vitamin is liquid mixed tocopherols with a minimum assay of 700 mg/g liquid tocopherols.

29. A composition prepared according to the method of any one of claims 1, 9, 12 or 15.

30. A United States pharmaceutical, food chemical codex, or grass supplement comprising the composition of any one of claims 18, 22, or 26.

acth  
add C  
add D1